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A Berk, LS Bernstein, DC Robertson - 1987 - adsabs.harvard.edu

... **Band model** parameters for H₂O, CO₂, O₃, CO, CH₄ ... This **transmittance model** and associated subroutines have been ... into LOWTRAN 6. The **spectral resolution** of this ...

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MODTRAN 4 radiative transfer modeling for atmospheric correction - group of 5 »

A Berk, GP Anderson, LS Bernstein, PK Acharya, H ... - Proceedings of SPIE- The International Society for Optical ..., 1999 - [spectral.com](#)

... 1 **band model** with comparable accuracy when higher **spectral** ... Keywords: radiative transport, MODTRAN, Correlate-k, **transmittance**, radiative, flux ...

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Atmospheric correction for short-wave spectral imagery based on MODTRAN 4 - group of 5 »

SM Adler-Golden, MW Matthew, LS Bernstein, RY ... - PROC SPIE INT SOC OPT ENG, 1999 - [spectral.com](#)

... has never been directly measured for the 0.94 μm **band**; the **model** used in ... Based on "exact" line-by-line **transmittance** calculations the problem appears to ...

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Models overestimate diffuse clear-sky surface irradiance: A case for excess atmospheric absorption - group of 2 »

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... ii) the models correctly extended the measured **transmittance** between and ... b) **Spectral** albedo of ... Chetwynd, and LM Kimball, Very Narrow **Band Model** Calculations of ...

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MW Matthew, SM Adler-Golden, A Berk, SC ... - PROC SPIE INT SOC OPT ENG, 2000 - [spectral.com](#)

... limited by the accuracy of its radiation transport **model**. ... against "exact" line-by-line **transmittance** calculations degraded ... In the 0.94 μm **band** the errors are ...

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A Berk, PK Acharya, LS Bernstein, GP Anderson, JH ... - ... for multispectral, hyperspectral, and ultraspectral imagery ..., 2000 - [spectral.com](#)

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MODTRAN: A moderate resolution model for LOWTRAN(Technical Report, 12 May 1986- 11 May 1987)

A BERK, L BERNSTEIN, D ROBERTSON - 1987 - [csa.com](#)

... **Band model** parameters for H₂O, CO₂, O₃, CO, CH₄ ... This **transmittance model** and associated subroutines have been ... into LOWTRAN 6. The **spectral resolution** of this ...

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A BERK, L BERNSTEIN, D ROBERTSON - 1989 - csa.com

... used to calculate atmospheric **transmittance** and/or ... 2 1/cm **resolution** (FWHM); to **model** molecular absorption ... and pressure; to calculate **band model** parameters for ...

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WM Cornette, SJ Westmoreland, PK Acharya, A Berk, ... - NASA, 1998 - csa.com

... The MOderate **Spectral** Atmospheric Radiance and **Transmittance** (MOSART) code ... MOSART uses the same **band model** and 1 1/cm **resolution band** parameter data ...


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A GP, B Pukall, CL Allred, LS Jeong, M Hoke, JH ... - ieeexplore.ieee.org

... principles atmospheric correction codes, **model** simulations of ... the 762 nm O2 **band** (darker areas ... Atmospheric Signature Code (**Spectral Transmittance** and Radiance ...

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A Berk, LS Bernstein, DC Robertson - 1987 - adsabs.harvard.edu

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A Berk, GP Anderson, LS Bernstein, PK Acharya, H ... - Proceedings of SPIE- The International Society for Optical ..., 1999 - spectral.com

... A correlated-k algorithm improves multiple scattering, eliminates Curtis-Godson averaging, and introduces Beer's Law dependencies into the **band model**. ...[Cited by 26](#) - [View as HTML](#) - [Web Search](#)**Models overestimate diffuse clear-sky surface irradiance: A case for excess atmospheric absorption - group of 2 »**

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... **Alexander Berk** Spectral Sciences Incorporated, Burlington, Massachusetts ... GP Anderson, JH Chetwynd, and LM Kimball, Very Narrow **Band Model** Calculations of ...[Cited by 28](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)**Atmospheric correction for short-wave spectral imagery based on MODTRAN 4 - group of 5 »**

SM Adler-Golden, MW Matthew, LS Bernstein, RY ... - PROC SPIE INT SOC OPT ENG, 1999 - spectral.com

... These include the number of water vapor column amounts, the multiple scattering algorithm (Isaacs 2-stream or DISORT n-stream), **band model** resolution (standard ...[Cited by 21](#) - [View as HTML](#) - [Web Search](#)**MODTRAN4: radiative transfer modeling for remote sensing - group of 5 »**

GP Anderson, A Berk, PK Acharya, MW Matthew, LS ... - Proceedings of SPIE, 2003 - adsabs.harvard.edu

... based multiple scattering **model**, the introduction of surface BRDF (Bi-directional Radiance Distribution Functions) models and 15 cm⁻¹ **band model** for improved ...[Cited by 14](#) - [Web Search](#) - [BL Direct](#)**Status of atmospheric correction using a MODTRAN 4-based algorithm - group of 4 »**

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